

# Product Name : Stuart Transport Agar

Semisolid medium for the preservation of *Neisseria spp* and other fastidious microorganisms.

## FORMULA (G/L)

Sodium Glycerophosphate ..... 10.0  
Sodium Thioglycollate ..... 1.0  
Calcium Chloride ..... 0.1  
Methylene Blue .....0.002  
Agar ..... 3.0  
Final pH = 7.3 ± 0.2 at 25°C.

## DIRECTIONS

Suspend 14.1 G of powder in 1 L of distilled or deionized water. Heat to boiling with frequent agitation and distribute into 5 ml screw-capped vials filling each vial almost to the top. Sterilized in autoclave with caps loose, at 121°C for 10 minutes. Then screw caps on tightly, and cool vials rapidly.

## DESCRIPTION

Stuart Transport Agar is a semisolid, nonnutritive medium used for the transport of specimens of clinical source to the laboratory. *Neisseria gonorrhoeae* and *Trichomonas vaginalis* can live on Stuart Transport Medium without proliferating for up to 24 hours, *Haemophilus influenzae*, *Streptococcus pneumoniae*, *Streptococcus pyogenes* and *Corynebacterium diptheriae* for up to 5 days. However, as a general rule, it is better to subject all the specimens to microbiological analysis as soon as possible.

## TECHNIQUE

To transport specimens, insert a third of the swab with which the material has been collected into the center of the medium: then cut the rod and screw the test-tube stopper down to clamp the swab. Keep the test-tube in a refrigerator until dispatch.

## QUALITY CONTROL

### Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: light beige.

### Prepared medium

Appearance: opalescent.

Color: colorless to light amber.

Incubation conditions: 20 ± 2°C / 18-24 hours.

Microorganism	ATCC	Growth on medium*
<i>Neisseria gonorrhoeae</i>	43069	+
<i>Haemophilus influenzae</i>	10211	+
<i>Streptococcus pyogenes</i>	19615	+

\*Columbia Blood Agar + 5% Sheep Blood

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## STORAGE

The powder is very hygroscopic: store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-6°C.

## REFERENCES

1. Moffett M., Young J.L and Stuart R.D. (1945) BMJ. 2: 421-424.
2. Cooper G.N. (1967). J. Clin. Path. 10: 226-230.
3. Stuart R.D. (1959). Pub. Hlth Rep. Wash. 74: 431-438.

## PACKAGING

Cat. No : MB-S1182 Stuart Transport Agar	500 G
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